

Title (en)

Ball joint components and methods for making same

Title (de)

Kugelgelenkbestandteile und ihre Herstellungsverfahren

Title (fr)

Parties constitutives d'une articulation à rotule, et méthode de fabrication

Publication

**EP 1031745 A3 20010816 (EN)**

Application

**EP 99303216 A 19990426**

Priority

US 25597999 A 19990223

Abstract (en)

[origin: EP1031745A2] A ball joint assembly includes a multiple part ball stud that is press fit together and then assembled with a ball socket. The ball socket is ultrasonically welded to a ball joint housing, and the ball joint housing is assembled to a heated link to form a strong mechanical joint therebetween. The weld joint between the ball socket and the housing is positioned near the bottom of the ball socket, away from high stress areas of the housing. An annular seal is adhered between an inwardly facing portion of the housing and an outwardly facing portion of the ball stud to hermetically seal the joint. <IMAGE>

IPC 1-7

**F16C 11/06**

IPC 8 full level

**B60G 7/00** (2006.01); **F16C 7/02** (2006.01); **F16C 11/06** (2006.01)

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Citation (search report)

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